

DUPLICATE

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PTO/SB/08A (04-03)

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<p>Substitute for form 1449/PTO</p> <p style="text-align: center;">INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p style="text-align: center;">(Use as many sheets as necessary)</p>				<p>Complete If Known</p>	
				Application Number	10/790,518
				Filing Date	
				First Named Inventor	James L. Barnard
				Art Unit	
				Examiner Name	
Sheet	1	of	3	Attorney Docket Number	10,158

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.†	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ‡ (if known)			
EP		US-6,344,143	02/05/02 2002	Ahn, et al.	
		US-6,338,800	01/15/02 2002	Kulperger, et al.	
		US-6,312,399	11/06/01 2001	Reid	
		US-6,139,743	10/31/00 2000	Park, et al.	
		US-6,030,526	02/29/00 2000	Han	
		US-5,942,108	08/24/99 1999	Yang	
		US-5,733,456	03/31/99 1999	Okey, et al.	
		US-5,601,719	02/11/97 1997	Hawkins, et al.	
		US-5,266,200	11/30/92 1993	Reid	
		US-5,228,996	07/20/93 1993	Lansdell	
		US-4,917,805	04/17/88 1990	Reid	
		US-4,507,207	03/26/85 1985	Verhoeve, et al.	
		US-4,500,429	02/19/85 1985	Reimann, et al.	
		US-4,488,867	12/18/84 1984	Block, et al.	
		US-4,415,454	11/15/83 1983	Fuchs	

FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No.†	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T*
		Country Code ‡ Number* Kind Code§ (if known)				

Examiner Signature		Date Considered	9/18/05
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† Applicant's unique citation designation number (optional). ‡ See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 801.04. § Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ¶ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. * Kind of document by the appropriate symbol; as indicated on the document under WIPO Standard ST. 16 if possible. *Applicant is to place a check mark here if English language Translation is attached.

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		Number-Kind Code ² (if known)			
FP		US-4,183,808	01/15/80 1980	Ornevich	
I		US-3,964,998	08/22/78 1978	Barnard	
I		US-3,385,785	05/04/66 1966	Forrest, et al.	
		US-3,238,768	03/31/64 1964	Levin	
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¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 801.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. *Applicant is to place a check mark here if English language Translation is attached.

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